CLAIMS

What is claimed is:

1.   An extensible method for simplifying input provided to a computer

5   program comprising:

creating a framework for a first grammar level;

performing a first transformation of said framework to generate a first set

of rules relating to interpretation of said first grammar level;

performing a second transformation of said framework to generate a first

10   presentation style for said first grammar level;

obtaining a user defined input in said first grammar, said user defined

input conforming to said first set of rules;

applying said first set of rules and said first presentation style to said user

defined input to generate an output in a second grammar understood by an

15   application's parser.

2.   The method of claim 1, wherein said creating a framework

comprises:

creating one or more files having grammar definitions conforming to a

20   second set of rules; and

transforming said one or more files into said framework using a second

presentation style conforming to said framework.

3.   The method of claim 1, wherein said first transformation is in
accordance with a third presentation style.

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4.   The method of claim 1, wherein said second transformation is in
accordance with a fourth presentation style.

5.   The method of claim 1, wherein said first grammar of said user
10   defined input is extensible.

6.   The method of claim 1, wherein said second grammar understood
by said application's parser is fixed.

15   7.   The method of claim 1, wherein said data representation language
is extensible markup language (XML).

8.   A computer readable product comprising:

a computer readable medium having a computer readable product

20   comprising a computer readable document embodied therein, said computer

readable document utilized for input into a rule engine, said computer readable

document created by performing a method comprising:

creating a framework for a first grammar level;

performing a first transformation of said framework to generate a

5 first set of rules relating to interpretation of said first grammar level;

performing a second transformation of said framework to generate

a first presentation style for said first grammar level;

obtaining a user defined input in said first grammar, said user

defined input conforming to said first set of rules;

10 applying said first set of rules and said first presentation style to

said user defined input to generate an output in said document, said

output conforming to a second grammar level understood by an

application's parser.

15   9.   The computer readable product of claim 8, wherein said creating a

framework comprises:

creating one or more files having grammar definitions conforming to a

second set of rules; and

transforming said one or more files into said framework using a second

20 presentation style conforming to said framework.

10. The computer readable product of claim 8, wherein said first transformation is in accordance with a third presentation style.

11. The computer readable product of claim 8, wherein said second transformation is in accordance with a fourth presentation style.

12. The computer readable product of claim 8, wherein said first grammar of said user defined input is extensible.

13. The computer readable product of claim 8, wherein said second grammar understood by said application's parser is fixed.

14. The computer readable product of claim 8, wherein said data representation language is extensible markup language (XML).

15. A computer program product comprising:

a computer readable medium having computer program code for extensibly simplifying input provided to a computer program embodied therein, said computer program code configured to cause a computer to:

create a framework for a first grammar level, wherein said framework comprises a schema;

perform a first transformation of said framework to generate a first set of rules relating to interpretation of said first grammar level;

5   perform a second transformation of said framework to generate a first presentation style for said first grammar level;

obtain a user defined input in said first grammar, said user defined input conforming to said first set of rules;

apply said first set of rules and said first presentation style to said

10   user defined input to generate an output in said document, said output conforming to a second grammar level understood by an application's parser.

16.   The computer program product of claim 15, wherein said create a

15   framework comprises:

creating one or more files having grammar definitions conforming to a second set of rules; and

transforming said one or more files into said framework using a second presentation style conforming to said framework.

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17.   The computer program product of claim 15, wherein said first transformation is in accordance with a third presentation style.

18.   The computer program product of claim 15, wherein said second

5   transformation is in accordance with a fourth presentation style.

19.   The computer program product of claim 15, wherein said first grammar of said user defined input is extensible.

10   20.   The computer program product of claim 15, wherein said second grammar understood by said application's parser is fixed.

21.   The computer program product of claim 15, wherein said data representation language is extensible markup language (XML).

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22.   An extensible method for simplifying input provided to a computer program comprising:

creating a schema for a first grammar level;

performing a first transformation of said schema to generate a first set of

20   rules relating to interpretation of said first grammar level;

performing a second transformation of said schema to generate a first

presentation style for said first grammar level;

obtaining a user defined input in said first grammar, said user defined

input conforming to said first set of rules;

5   applying said first set of rules and said first presentation style to said user

defined input to generate an output in a second grammar understood by an

application's parser.

23.   The method of claim 22, wherein said creating a schema comprises:

10   creating one or more files having grammar definitions conforming to a

second set of rules; and

transforming said one or more files into said schema using a second

presentation style conforming to said schema.

15   24.   The method of claim 22, wherein said first transformation is in

accordance with a third presentation style.

25.   The method of claim 22, wherein said second transformation is in

accordance with a fourth presentation style.

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26. The method of claim 22, wherein said first grammar of said user defined input is extensible.

27. The method of claim 22, wherein said second grammar understood by said application's parser is fixed.

28. The method of claim 22, wherein said data representation language is extensible markup language (XML).

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